

REMARKS

Applicant appreciates the Examiner's thorough consideration provided the present application. Claims 1, 5, 8, 9, 12, 13, 15 and 21-25 are now present in the application. Claims 1, 8, 9, 12, 13, 15 and 21 have been amended. Claims 21-25 have been added. Claims 2-4, 7, 10, 11, 14 and 17-20 have been cancelled. Claims 1 and 5 are independent. Reconsideration of this application, as amended, is respectfully requested.

Claim Rejections Under 35 U.S.C. §§ 102 & 103

Claims 1-4, 7-10 and 12-20 stand rejected under 35 U.S.C. § 102(b) as being anticipated Caffarelli et al., U.S. Patent No. 6,091,686 (hereinafter "Caffarelli"). Claims 5, 6 and 11 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Caffarelli in view of Ikeda et al., U.S. Patent No. 6,636,551 (hereinafter "Ikeda"). Claim 21 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Caffarelli in view of "Chapter Three: Implementing and Administering Netware 4 Security" (hereinafter "Netware"). These rejections are respectfully traversed.

Complete discussions of the Examiner's rejections are set forth in the Office Action, and are not being repeated here.

In light of the foregoing amendments to the claims, Applicant respectfully submits that these rejections have been obviated and/or rendered moot. Without conceding to the propriety of the Examiner's rejection, but merely to timely advance the prosecution of the application, as the Examiner will note, independent claims 1 and 11 have been amended.

Independent claim 1 has been amended to recite a combination of steps including "pre-

storing information of whether or not the file recorded on the optical disk is prohibited to be renamed, information of whether or not the file recorded on the optical disk is prohibited to be moved to another directory, and information of whether or not the file recorded on the optical disk is prohibited to be copied on the optical disc respectively in a first file attribute field, a second file attribute field and a third file attribute field of a file identifier descriptor in which detailed information on the file is written”, “upon receiving a requested operation of renaming the file, reading the information stored in the first file attribute field corresponding to the file recorded on the optical disk, and determining whether to conduct the requested operation of renaming the file based on the information stored in the first file attribute field”, “upon receiving a requested operation of moving the file, reading the information stored in the second file attribute field corresponding to the file recorded on the optical disk, and determining whether to conduct the requested operation of moving the file based on the information stored in the second file attribute field” and “upon receiving a requested operation of copying the file, reading the information stored in the third file attribute field corresponding to the file recorded on the optical disk, and determining whether to conduct the requested operation of copying the file based on the information stored in the third file attribute field”.

Independent claim 5 recites a combination of steps including “reading information on whether or not a file recorded on the optical disk is prohibited to be copied, wherein the optical disc has a file format which has a fixed directory, a fixed file name, or a fixed location, the information being written on the optical disc in a file attribute field of a file identifier descriptor in which detailed information on the file is written” and “determining whether to conduct a requested operation of copying the file based on the read information”.

Applicant respectfully submits that the combinations of steps as set forth in amended independent claim 1 and previously presented claim 5 are not disclosed or suggested by the references relied on by the Examiner.

The Examiner has correctly indicated that Caffarelli fails to disclose a copy attribute. However, the Examiner in his "Response to Arguments" of the outstanding Office Action alleged that when using Ikea's copy attribute, Ikea's copy attribute would also be stored in the field identifier descriptor of Caffarelli. Applicant respectfully disagrees.

In particular, Ikeda simply discloses superimposing duplication control information (*electronic watermark information*) on the video signal (see col. 8, lines 26-31). Ikeda further specifies that the information superimposed on the video signal is a *spectrum spread signal* superimposed by the electronic watermark information superimposition section 2 (see FIG. 1; col. 9, lines 56-64). More specifically, the PN code string PS obtained from the PN generation section 4 is used as a spectrum spread signal for transmitting duplication control information, and the pattern switching section 5 based on the registers 71-74 will switch accordingly to superimpose or not superimpose the PN code string PS (i.e., the *spectrum spread signal*) onto the video signal (see FIG. 2; col. 10, lines 40-54). As shown in FIG. 2 of Ikeda, the attribute patterns show when the *spectrum spread signal* is superimposed or not superimposed on the frames. In other words, the information of "Never Copy", "Copy Once", "No More Copy" or "Copy free" is superimposed on the video signal by a *spectrum spread signal*, not the information written on the optical disc in a *file attribute field of a file identifier descriptor* in which detailed information on the file is written as recited in claims 1 and 5. The *spectrum spread signal* means that the signal energy is deliberately spread over a wide band of frequencies

is not simply the information stored on the optical disc in *a file attribute field of a file identifier descriptor* as recited in claims 1 and 5. The *spectrum spread signal* has to be superimposed on the video signal as an *electronic watermark information*, and therefore cannot be stored a file identifier descriptor of Caffarelli as suggested by the Examiner.

With regard to the Examiner's reliance on Netware, this reference has only been relied on for its teachings related to dependent claim 21. This reference also fails to disclose the above combinations of steps as set forth in independent claims 1 and 5. Accordingly, this reference fails to cure the deficiencies of Caffarelli and Ikeda.

Accordingly, none of the utilized references individually or in combination teach or suggest at least the above-noted features of independent claims 1 and 5. Therefore, Applicant respectfully submits that claims 1 and 5 and their dependent claims (due to their dependency) clearly define over the teachings of the utilized references.

In the alternative, the utilized references also fail to teach the subject matter of claim 21. In particular, claim 21 recites "the file characteristic field including a first file attribute field storing information of whether or not the file exists,... a fourth file attribute field storing information of whether or not an associated directory is a parent directory, a fifth file attribute field indicating meta data..." As shown in FIG. 10 of Caffarelli, the file/directory record includes an attributes field 225, which includes a plurality of attribute flags/fields 450-505. However, Caffarelli nowhere discloses that the attributes field 225 includes any attribute flags/fields storing the information of whether or not the file exists, whether or not an associated directory is a parent directory, or indicating meta data. For example, although the file/directory record includes a parent directory ID# 540 for storing an numeric ID for *the parent directory of*

the file corresponding to the current file/directory record, it does not store the information of whether the *current directory/file itself* corresponding to the current file/directory record is a parent directory or not. In addition, the parent directory ID# 540 is not stored in the attributes field 225, but is stored in *another* field of the file/directory record.

Accordingly, reconsideration and withdrawal of the rejections under 35 U.S.C. §§ 102 and 103 are respectfully requested.

Additional Claims

Additional claims 22-25 have been added for the Examiner's consideration.

Applicant respectfully submits that claims 22-25 are allowable due to their respective dependence on independent claims 1 and 5, as well as due to the additional recitations included in these claims.

Favorable consideration and allowance of additional claims 22-25 are respectfully requested.

CONCLUSION

All the stated grounds of rejection have been properly traversed and/or rendered moot. Applicant therefore respectfully requests that the Examiner reconsider all presently pending rejections and that they be withdrawn.

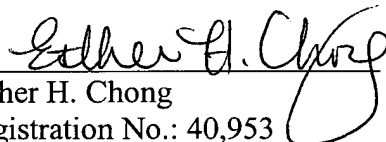
It is believed that a full and complete response has been made to the Office Action, and that as such, the Examiner is respectfully requested to send the application to Issue.

In the event there are any matters remaining in this application, the Examiner is invited to contact the undersigned at (703) 205-8000 in the Washington, D.C. area.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. §§1.16 or 1.17; particularly, extension of time fees.

Dated: March 30, 2006

Respectfully submitted,

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